

Innovative IGZO* Technology Brings Stunning Detail Into View



Note: Images simulated for illustration purposes.

32-Inch Class LED Monitor Boasts Unprecedented Ultra-High Definition

Sharp's new professional-use PN-K321 LED monitor heralds an entirely new generation of displays that incorporate Sharp's cutting-edge IGZO* technology. This technology offers two major advantages: **extraordinarily high resolution** and **energy efficiency**.

At **3,840 x 2,160 pixels** (Ultra-HD), the PN-K321 boasts four times the pixel resolution of 1080p full HD. Users can now view the content of four full HD screens on a single, seamless display. This super-high resolution makes the monitor ideally suited to a wide range of professional applications in settings where detailed information needs to be displayed with tremendous precision.

IGZO technology supports increased pixel transparency and reduced current leakage, resulting in lower power consumption.

* IGZO (InGaZnO) is an oxide comprising indium (In), gallium (Ga), and zinc (Zn).

Thin and Stylish

Sharp's new professional-use LED monitor owes its stylish and slender design to IGZO technology and edge-lit LED backlighting. Measuring only about **35 mm** at its thickest point, this sleek and lightweight monitor blends in effortlessly in almost any location. The PN-K321 comes with a stand and offers a choice of **landscape or portrait** installation*, allowing users to select the mode that best suits their display content and application.

* The monitor must be unscrewed from the stand when switching between landscape and portrait installations.



Simple, Advanced Interface

The PN-K321 supports both DisplayPort and HDMI. Ultra-high resolution video signals can be transmitted via a single easy-connecting, clutter-reducing cable.



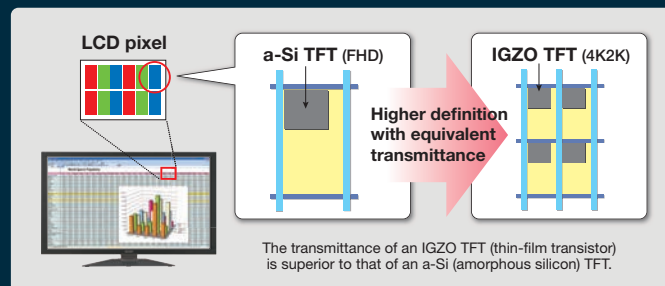
DisplayPort cable (included)



HDMI cable
(commercially available)

Ultra-High Resolution

The small size of semiconductors made with IGZO technology enables smaller-sized pixels, which in turn provide stunning high resolution.



24/7 Operation

The PN-K321 is ideal for use in demanding professional applications that require around-the-clock operation seven days a week.

Built-In Speakers

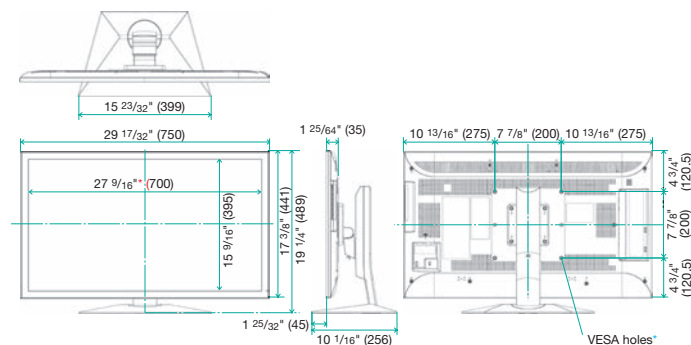
Built-in speakers eliminate the need for external speakers and keep the PN-K321 stylishly streamlined. The speakers emit sound from both sides of the monitor, making them ideal for conveying audio information.

Specifications

Model Name	PN-K321
Installation	Landscape / Portrait
LCD Panel	31-1/2-inch diagonal widescreen IGZO UHD LCD
Max. Resolution	3,840 x 2,160 pixels
Max. Display Colors (approx.)	1.07 billion colors
Pixel Pitch (H x V)	0.182 x 0.182 mm, 140 ppi
Brightness*1	350 cd/m ²
Contrast Ratio	800 : 1
Viewing Angle (H/V)	176°/176° (CR ≥ 10)
Active Screen Area (W x H)	27 31/64" (W) x 15 15/32" (H)
Response Time	8 ms (grey to grey, avg.)
Backlight	LED, edge lit
Computer Input	Plug & Play
Power Management	VESA DDC2B
Input Terminals*2	DisplayPort x 1, HDMI x 2 (HDCP compatible), RS-232C*3, 3.5 mm-diameter mini stereo jack x 1
Output Terminals	3.5 mm-diameter mini stereo jack x 1
Built-in Speakers	2 W + 2 W
Mounting	VESA (4 points), 200 mm pitch, M6 screw
Power Supply	100V - 240V AC, 50/60 Hz
Power Consumption	93 W*4 / 87 W*5
Environmental Conditions	Operating Temperature: 0°C to 40°C Operating Humidity: 20% to 80% RH (no condensation)
Dimensions (W x D x H) (approx.) (display only)	29 17/32" (W) x 1 25/64" (D) x 17 3/8" (H)
Weight (approx.) (display only)	16.5 lbs (7.5 kg)
Main Accessories	AC adaptor, CD-ROM, set-up manual, DisplayPort cable x 1, vertical sticker (logo), blank sticker, key label, cable clamp, RS-232C conversion cable, stand, operation manual

*1 Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. *2 Monitor comes standard with a DisplayPort cable. For HDMI connection, commercially available cables are required. *3 Requires the bundled RS-232C conversion cable. *4 When using the supplied AC adaptor. *5 When using the monitor in DC 19.5V.

Dimensions



Units: inch (mm)

* Screen dimensions

* To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

Input/Output Terminals

- RS-232C input*
- PC/AV input (HDMI 1)
- PC/AV input (HDMI 2)
- DisplayPort input
- Audio input
- Audio output



* Requires the bundled RS-232C conversion cable.

SHARP

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